

2018 Current Fiscal Year Report: Mine Safety and Health Research Advisory Committee

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1. Department or Agency	2. Fiscal Year
Department of Health and Human Services	2018
3. Committee or Subcommittee	3b. GSA Committee No.
Mine Safety and Health Research Advisory Committee	932

4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	11/30/2016	11/30/2018	

8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority	8c. Actual Term Date
No		

9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?	10b. Legislation Pending?
Continue	Not Applicable	Not Applicable

11. Establishment Authority Statutory (Congress Created)

12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
30 U.S.C. 812	11/09/1977	Continuing	No

15. Description of Committee Scientific Technical Program Advisory Board

16a. Total Number of Reports No Reports for this Fiscal Year

17a. Open Meetings 2 **17b. Closed Meetings** 0 **17c. Partially Closed Meetings** 0 **Other Activities** 0 **17d. Total Meetings** 2

Purpose	Start	End
The meeting focused on mining safety and health research projects and outcomes, including built-in-place refuge alternatives, explosion protection, domestic and international collaborations, fatigue management systems, mitigating dynamic failure in western underground coal mines, mining strategic planning, and mining innovations research initiative.	11/15/2017	11/15/2017
The meeting focused on mining safety and health research projects and outcomes, including end-of-shift silica monitor; iLOTO iFund project; miner health program; research & practice to protect miners' hearing health; stone, sand, & gravel sector research priorities; mining program collaborations; and mining innovations research initiative update. The meeting will also included updates from the National Personal Protective Technology Laboratory and the Respiratory Health Division.	05/22/2018	05/23/2018

Number of Committee Meetings Listed: 2

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$7,500.00	\$10,000.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$63,355.00	\$64,921.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00

18b(1). Travel and Per Diem to Non-Federal Members	\$16,510.00	\$28,330.00
18b(2). Travel and Per Diem to Federal Members	\$449.00	\$679.00
18b(3). Travel and Per Diem to Federal Staff	\$4,671.00	\$4,693.00
18b(4). Travel and Per Diem to Non-member Consultants	\$14,255.00	\$14,313.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$9,599.00	\$9,696.00
18d. Total	\$116,339.00	\$132,632.00
19. Federal Staff Support Years (FTE)	0.55	0.55

20a. How does the Committee accomplish its purpose?

The Committee provides guidance and direction on high priority research topics for the mining industry through dialogue with the Director, Associate Director for Mining, key research staff, and through annual public meetings. The mining safety and health research program focused on several high priority topics including worker fatigue and hearing health, innovative lighting systems for improved situational awareness, a new silica dust monitor to reduce dust exposures, a conveyor monitoring system to reduce injuries, miner refuge and rescue, and intervention effectiveness studies for a number of health and safety issues. The Committee continues to be part of the process of review, development and implementation of the research programs in these areas and the input and guidance from the Committee has been valuable. There were other notable accomplishments from the Committee, however, these examples were identified as the most critical needs for the organization.

20b. How does the Committee balance its membership?

The Committee is comprised of 10 public members and 3 ex-officio members including minority and female representatives. The membership includes a balanced mix of members representing key mining stakeholder groups of labor and industry, as well as knowledgeable members from the health and safety community, the scientific arena and academia.

20c. How frequent and relevant are the Committee Meetings?

Meetings take place annually, at the discretion of the DFO, Associate Director for Mining, and the Chair, but on occasion meetings have been held twice a year when necessary. The meetings are very relevant as the Committee provides direction and guidance on high priority topics and research needs for the mining industry. This guidance is used by NIOSH leadership in formulating research programs.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

The health and safety research needs of the mining industry are both complex and varied

and the guidance and input received from the Committee helps ensure that NIOSH's program addresses the needs on a timely basis. Since the Committee is composed of representatives from all major mining stakeholder groups and representatives from the occupational health and safety community, the input received during the committee meetings is invaluable for program planning. The Committee members also provide help and guidance on conducting NIOSH research studies by identifying appropriate locations and sites for specific experiments.

20e. Why is it necessary to close and/or partially closed committee meetings?

No meetings are closed to the public.

21. Remarks

No formal reports are required in the charter or legislation; the committee provides advice and recommendations through various means other than formal reports. The Committee established a Workgroup to conduct a workshop, research, and draft a report for MSHRAC to review, deliberate, and consider recommendations related to health and safety research needs associated with the implementation of automation and advanced technology in the U.S. metal mining industry.

Designated Federal Officer

Jeffrey H. Welsh DFO

Committee Members	Start	End	Occupation	Member Designation
Bowersox, Ronald	12/24/2016	12/23/2020	United Mine Workers of America	Special Government Employee (SGE) Member
Burgess, Jefferey	03/14/2016	12/23/2019	University of Arizona	Special Government Employee (SGE) Member
Drysdale, Dale	09/23/2015	12/23/2018	National Stone, Sand & Gravel Association	Special Government Employee (SGE) Member
Fragaszy, Richard	08/20/2010	12/23/2020	National Science Foundation	Ex Officio Member
Francart, William	04/17/2017	04/16/2021	Mine Safety and Health Administration	Ex Officio Member
Kramer, Stacy	12/24/2016	12/23/2020	Freeport McMoRan	Special Government Employee (SGE) Member
Luxbacher, Kramer	09/14/2015	12/23/2018	Virginia Tech	Special Government Employee (SGE) Member
Mattson, Marifran	05/18/2018	12/23/2018	Health Communication	Special Government Employee (SGE) Member
Miller, Aubrey	04/10/2014	12/23/2020	National Institute of Health	Ex Officio Member
Nelson, Priscilla	03/11/2016	12/23/2019	Colorado School of Mines	Special Government Employee (SGE) Member
Watzman, Bruce	09/18/2015	12/23/2018	National Mining Association	Special Government Employee (SGE) Member
Wright, Michael	09/15/2015	12/23/2018	United Steelworkers of America	Special Government Employee (SGE) Member
Zimmer, Kyle	09/25/2015	12/23/2018	International Union of Operating Engineers	Special Government Employee (SGE) Member

Number of Committee Members Listed: 13

Narrative Description

The Committee provides a scientific and peer-review outlook of the current mining health and safety research program as well as guidance for future program planning. The program reviews have focused on the high-priority research topics and the Committee helps ensure the scientific integrity of these programs. The members of the Committee have helped transfer the knowledge and findings from the research program by carrying the information back to their respective organizations. In some cases Committee members have provided assistance and direction in finding appropriate field sites for conducting research experiments once the laboratory phase of the study has been completed.

What are the most significant program outcomes associated with this committee?

Checked if Applies

- | | |
|---|-------------------------------------|
| Improvements to health or safety | <input checked="" type="checkbox"/> |
| Trust in government | <input type="checkbox"/> |
| Major policy changes | <input type="checkbox"/> |
| Advance in scientific research | <input type="checkbox"/> |
| Effective grant making | <input type="checkbox"/> |
| Improved service delivery | <input type="checkbox"/> |
| Increased customer satisfaction | <input checked="" type="checkbox"/> |
| Implementation of laws or regulatory requirements | <input type="checkbox"/> |
| Other | <input type="checkbox"/> |

Outcome Comments

The Committee is composed of representatives from all major stakeholder groups of the mining community. This includes industry representatives from the coal and non-coal mining segments, labor representatives for the mining workforce, other government agencies (state and federal) and the academic community. The input received from the members and the message they carry back to their respective organization has helped the collaboration and implementation of research projects at specific mine sites and the technology transfer of research findings to the mining industry.

What are the cost savings associated with this committee?

Checked if Applies

- | | |
|---------------------|-------------------------------------|
| None | <input type="checkbox"/> |
| Unable to Determine | <input checked="" type="checkbox"/> |

Under \$100,000

☐

\$100,000 - \$500,000

☐

\$500,001 - \$1,000,000

☐

\$1,000,001 - \$5,000,000

☐

\$5,000,001 - \$10,000,000

☐

Over \$10,000,000

☐

Cost Savings Other

☐

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

22

Number of Recommendations Comments

Recommendations are based on expanding an area of research to include a broader view of the mining industry. Committee members reviewed and recommended implementation of a new strategic plan for mining health and safety research. Committee members recommended and approved establishment on an MSHRAC Workgroup to conduct a workshop, research, and draft a report for MSHRAC to review, deliberate, and consider recommendations related to health and safety research needs associated with the implementation of automation and advanced technology in the U.S. metal mining industry.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

100%

% of Recommendations Fully Implemented Comments

All recommendations have been accepted by the agency.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

0%

% of Recommendations Partially Implemented Comments

NA

Does the agency provide the committee with feedback regarding actions taken to

implement recommendations or advice offered?

Yes ☐ No ☐ Not Applicable ☒

Agency Feedback Comments

NA

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

MSHRAC is not a grant review committee.

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

N/A